

Title: Organic rankine cycle calculator

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Figure 1: An ideal ORC cycle along with its thermodynamics states in an evaporator, a condenser, a pump and a turbine. From state 1 to 2, an ideal pump executes an adiabatic, reversible (isentropic) process ...

A program package was developed to simulate the operation of an organic Rankine cycle system. The brine ejected from a geothermal plant usually is directly injected back through the injection well into ...

Enter the  $h_2$  to  $h_3$  (J), the  $h_1$  to  $h_4$  (J), and the  $h_2$  to  $h_1$  (J) into the calculator to determine the Rankine Cycle Efficiency.

This paper presents a steady-state design model for an organic Rankine cycle (ORC) power plant that is completely web-browser based and does not rely on any external libraries (e.g., for...

pocketORC is intended to be used as a teaching aid to explore basic principles relating to ORC power systems, whilst also serving as a pocket calculator for people working within the ORC field.

Advanced Rankine cycle simulator with ORC support (R134a, R245fa), regeneration, and real-time Carnot comparison. Includes power plant cost estimator and environmental impact ...

This calculator provides the calculation of various parameters of the Rankine cycle, including the work done during the compression and expansion processes, the heat added and ...

ElectraTherm by BITZER Group provides world-class waste heat recovery solutions by utilizing the Organic Rankine Cycle along with proprietary technologies to convert low-temperature ...

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